

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 March 2006 (09.03.2006)

PCT

(10) International Publication Number
WO 2006/024860 A1

(51) International Patent Classification⁷: **F16K 5/20**

(21) International Application Number:
PCT/GB2005/003385

(22) International Filing Date:
1 September 2005 (01.09.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0419485.8 2 September 2004 (02.09.2004) GB

(71) Applicant (for all designated States except US): **XAMOL LTD** [GB/GB]; Mission Works, Birds Royd Lane, Brighouse, West Yorkshire HD6 1LQ (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **LOMAX, Stuart, Andrew** [GB/GB]; Mission Works, Birds Royd Lane, Brighouse, West Yorkshire HD6 1LQ (GB).

(74) Agent: **BAILEY WALSH & CO LLP**; 5 York Place, Leeds LS1 2SD (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NL, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

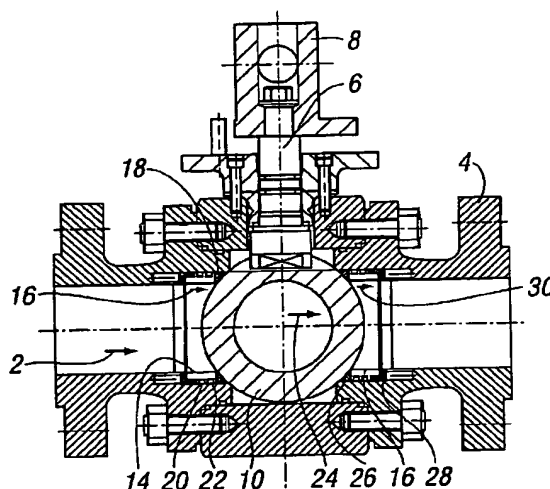
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: VALVE



(57) Abstract: The invention relates to the provision of a valve which can be fitted to a pipeline to allow the control of the flow of fluid therealong. The valve includes at least one ball (10) having a first sealing means (14) positioned upstream of the ball and a second sealing means (16) positioned downstream of the ball. The first sealing means is movable under the influence of fluid pressure towards the ball to form a seal thereon and the ball and said first sealing means are movable under the influence of the fluid pressure towards the second sealing means to form a second seal on the ball thus providing a double sealing arrangement with a single ball rather than the conventional two ball arrangements sealing arrangements.

WO 2006/024860 A1